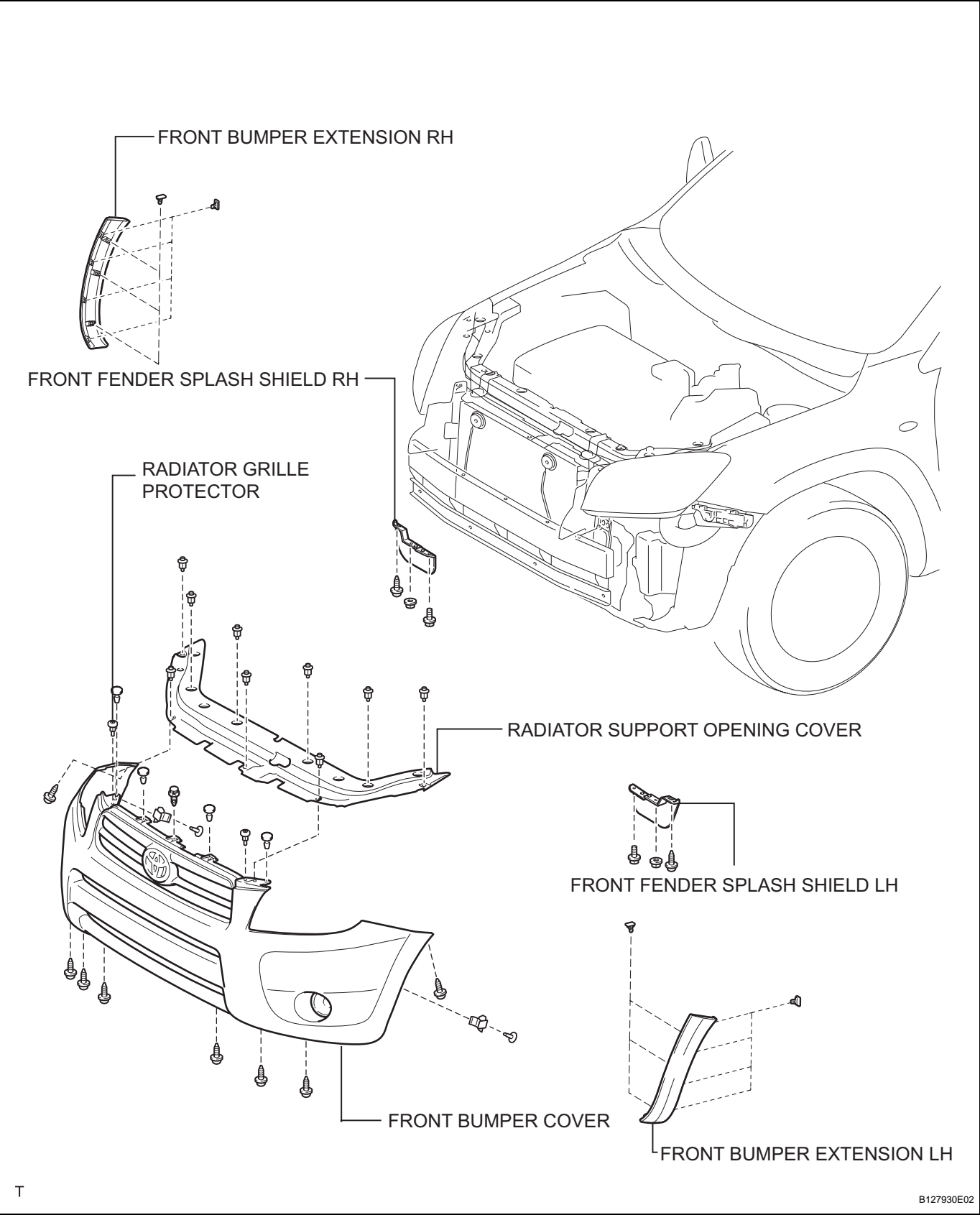
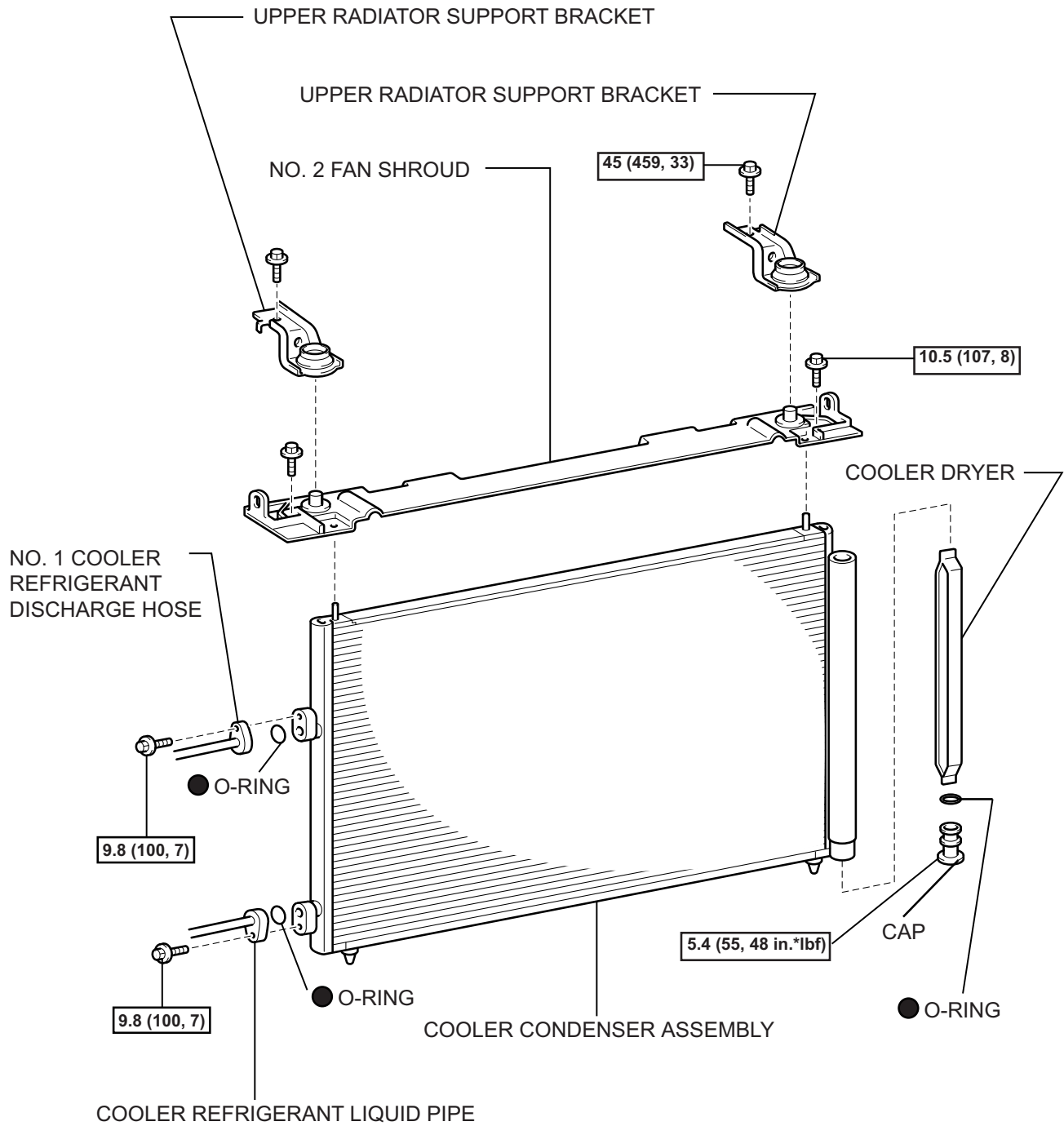


# CONDENSER

## COMPONENTS





[N\*m (kgf\*cm, ft.\*lbf)] : Specified torque

● Non-reusable part

← Compressor oil ND-OIL 8 or equivalent

## ON-VEHICLE INSPECTION

### 1. INSPECT COOLER CONDENSER ASSEMBLY

- (a) If the fins of the cooler condenser are dirty, clean them with water. Dry the fins with compressed air.

**NOTICE:**

**Do not damage the fins of the condenser.**

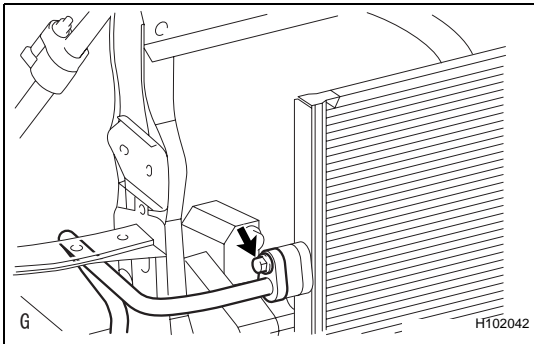
- (b) If a fin of the cooler condenser is bent, straighten it using a screwdriver or pliers.

### 2. CHECK CONDENSER FOR LEAKAGE OF REFRIGERANT

- (a) Using a halogen leak detector, check the pipe joints for gas leakage.
- (b) If gas leakage is detected in a joint, check the torque of the joint.

## REMOVAL

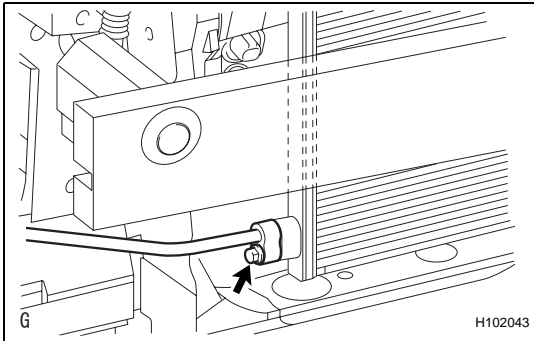
1. **DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM** (See page [AC-172](#))
2. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**  
**CAUTION:**  
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
3. **REMOVE FRONT BUMPER COVER**  
(a) Remove front bumper cover (see page [ET-4](#)).



4. **DISCONNECT NO. 1 COOLER REFRIGERANT DISCHARGE HOSE**  
(a) Remove the bolt and disconnect the cooler refrigerant discharge hose from the cooler condenser.  
(b) Remove the O-ring from the cooler refrigerant discharge hose.

**NOTICE:**

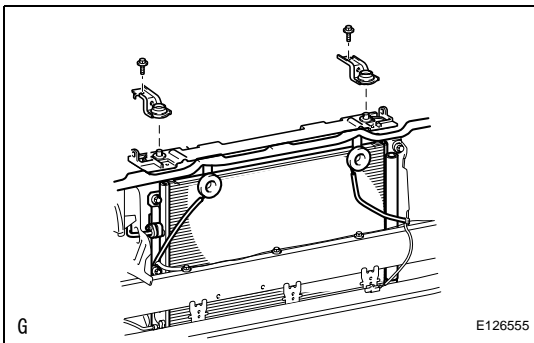
Seal the openings of the disconnected parts using vinyl tape to prevent moisture and foreign matter from entering them.



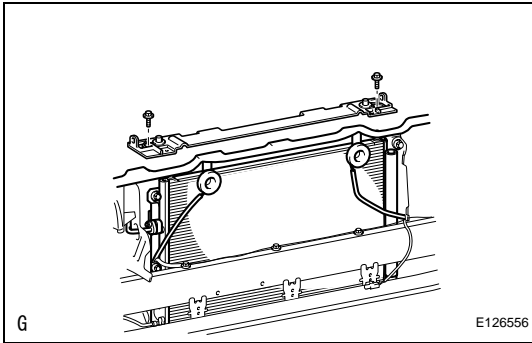
5. **DISCONNECT COOLER REFRIGERANT LIQUID PIPE**  
(a) Remove the bolt and disconnect the cooler refrigerant liquid pipe from the cooler condenser.  
(b) Remove the O-ring from the cooler refrigerant liquid pipe.

**NOTICE:**

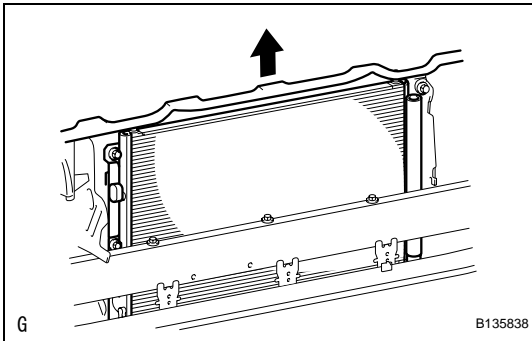
Seal the openings of the disconnected parts using vinyl tape to prevent moisture and foreign matter from entering them.



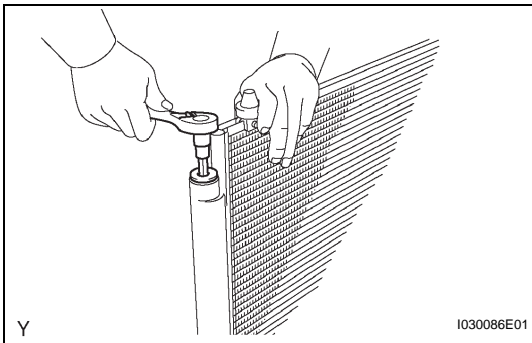
6. **REMOVE RADIATOR SUPPORT UPPER BRACKET**  
(a) Remove the 2 bolts and 2 brackets.

**7. REMOVE NO. 2 FAN SHROUD**

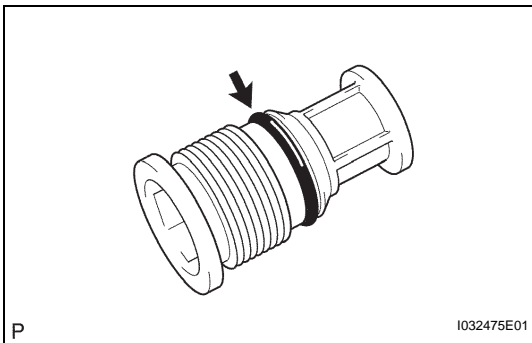
- (a) Remove the 2 bolts and fan shroud.

**8. REMOVE COOLER CONDENSER ASSEMBLY**

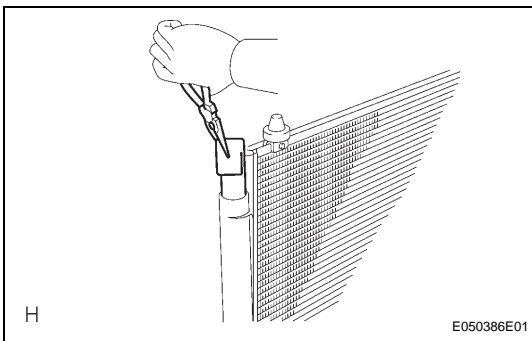
- (a) Remove the cooler condenser.

**9. REMOVE COOLER DRYER**

- (a) Using a 14 mm socket hexagon wrench, remove the cap from the modulator.



- (b) Remove the O-ring from the cap.

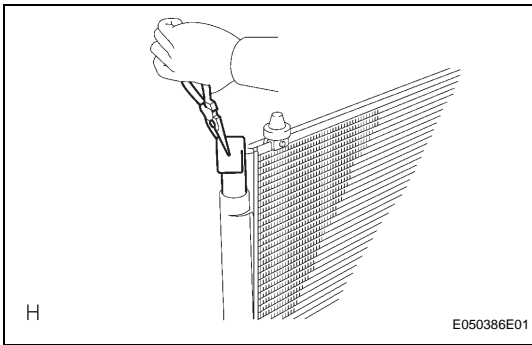


- (c) Using pliers, remove the cooler dryer.

## INSTALLATION

### 1. INSTALL COOLER DRYER

- (a) Using pliers, install the cooler dryer.

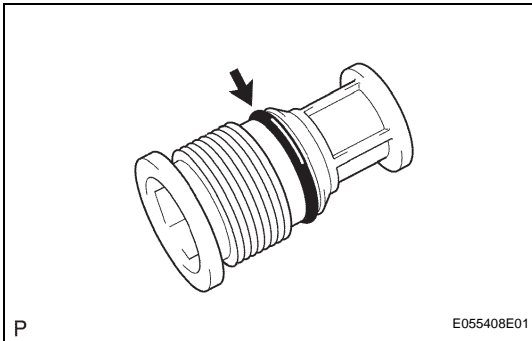


- (b) Apply a sufficient amount of compressor oil to the contact surfaces of a new O-ring and the cap.

**Compressor oil:**

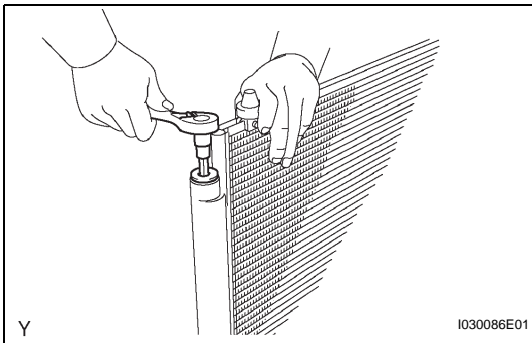
**ND-OIL 8 or equivalent**

- (c) Install the O-ring to the cap.



- (d) Using a 14 mm socket hexagon wrench, install the cap to the modulator.

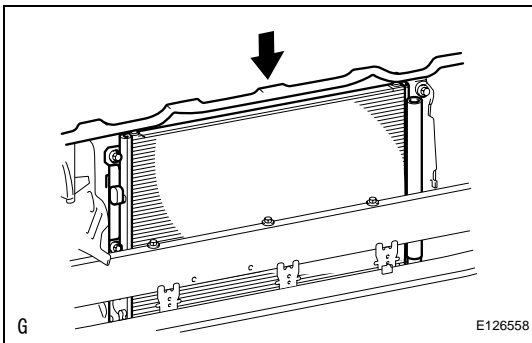
**Torque: 2.9 N\*m (29 kgf\*cm, 25 in.\*lbf)**



AC

### 2. INSTALL COOLER CONDENSER ASSEMBLY

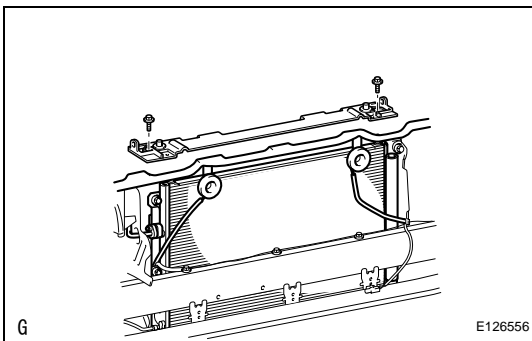
- (a) Install the cooler condenser.

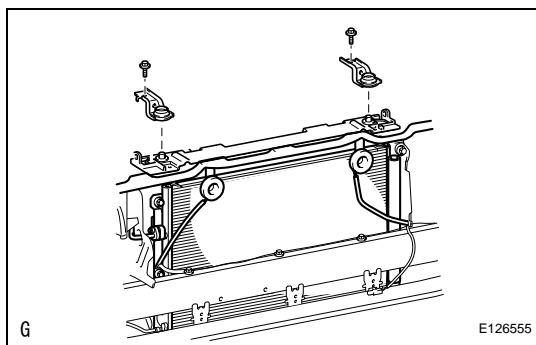


### 3. INSTALL NO. 2 FAN SHROUD

- (a) Install the fan shroud with the 2 bolts.

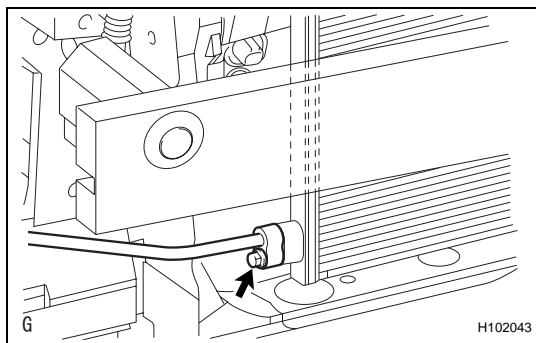
**Torque: 10.5 N\*m (107 kgf\*cm, 8 ft.\*lbf)**





#### 4. INSTALL RADIATOR SUPPORT UPPER BRACKET

- (a) Install the 2 brackets with the 2 bolts.  
**Torque: 45 N\*m (459 kgf\*cm, 33 ft.\*lbf)**



#### 5. INSTALL COOLER REFRIGERANT LIQUID PIPE

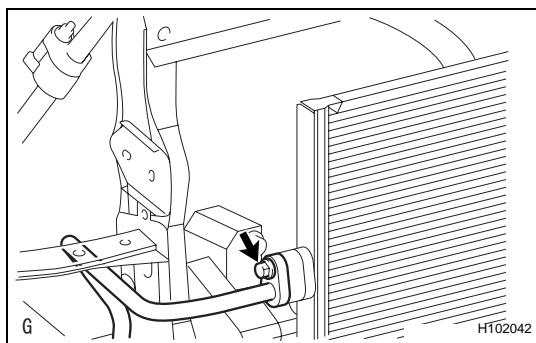
- (a) Remove the attached vinyl tape from the pipe and the connecting part of the cooler condenser.  
 (b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the pipe joint.

**Compressor oil:**

**ND-OIL 8 or equivalent**

- (c) Install the O-ring on the cooler refrigerant liquid pipe.  
 (d) Install the cooler refrigerant liquid pipe on the cooler condenser with the bolt.

**Torque: 9.8 N\*m (100 kgf\*cm, 7 ft.\*lbf)**



#### 6. INSTALL NO. 1 COOLER REFRIGERANT DISCHARGE HOSE

- (a) Remove the attached vinyl tape from the hose and the connecting part of the cooler condenser.  
 (b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the hose joint.

**Compressor oil:**

**ND-OIL 8 or equivalent**

- (c) Install the O-ring on the cooler refrigerant discharge hose.  
 (d) Install the cooler refrigerant discharge hose on the cooler condenser with the bolt.

**Torque: 9.8 N\*m (100 kgf\*cm, 7 ft.\*lbf)**

#### 7. ADJUST HOOD SUB-ASSEMBLY (See page [ED-5](#))

#### 8. INSTALL FRONT BUMPER COVER

- (a) Install the front bumper cover (see page [ET-10](#)).

#### 9. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

#### 10. CHARGE REFRIGERANT (See page [AC-172](#))

#### 11. WARM UP ENGINE (See page [AC-173](#))

#### 12. CHECK FOR LEAKAGE OF REFRIGERANT (See page [AC-173](#))